Perfect aire®

Your Source for Home Comfort

(12,000 BTU)

PORTABLE AIR CONDITIONER

USER MANUAL

FOR MODEL:

NPH12000

with 4,300 BTU electric heater

Before using your portable air conditioner, please read this manual carefully and keep it for future reference, along with your receipt.

CONTENTS

SAFETY PRECAUTIONS 2

IDENTIFICATION OF PARTS.....3

AIR CONDITIONER FEATURES..... 5

OPERATING INSTRUCTIONS 6

INSTALLATION INSTRUCTIONS 8

CARE AND MAINTENANCE.....13

TROUBLESHOOTING TIPS..... 14

This manual provides the information needed for proper use and maintenance of this air conditioner. Basic preventative care can help extend the life of this unit. The “Troubleshooting Tips” section in this manual contains a chart with solutions to the most common problems. Referring to this section may save time and prevent the need for a service call in the event of a problem.

NOTE: The rating data indicated on the energy label is based on the testing condition of installing the un-extended air exhaust duct without flat mouth, round mouth, and wall exhaust adaptors. (The duct and the adaptors are listed in the accessories chart of this Instruction Manual.)

⚠ CAUTION

- Contact an authorized service technician for repair or maintenance of this unit.
- Contact an installer for installation of this unit if necessary.
- ***The air conditioner is not intended for use by young children without supervision.*** Young children should be supervised to ensure that they do not play with the air conditioner.
- Disabled persons may require assistance with set up.
- If the power cord is to be replaced, replacement work should be performed by authorized personnel only.
- Installation and repair work must be performed in accordance with the national wiring standards by authorized personnel only.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Units with a heating function should be at least 3 1/3 ft (1 meter) away from any combustible/ flammable materials.

NOTE: *All the illustrations in this manual are for explanation purposes only. Unit purchased may be slightly different.*

The design and specifications are subject to change without prior notice for product improvement. Contact customer service for details.

SAFETY PRECAUTIONS

Safety rules

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

Always do this

- Your air conditioner should be used in such a way that it is protected from moisture (i.e. condensation, splashed water, etc.). Do not place your air conditioner where it can fall or be pulled into water or any other liquid. If the unit does ever fall into water, unplug immediately.
- Always transport your air conditioner in a vertical position and stand on a stable, level surface during use.
- Turn off the product when not in use.
- Always contact a qualified person to carry out repairs. If the supply cord is damaged it must be replaced by an authorized service technician.
- Keep an air path of at least 11.8 in (30 cm) all around the unit from walls, furniture and curtains.
- If the air conditioner is knocked over during use, turn off the unit and unplug from the main power supply immediately.

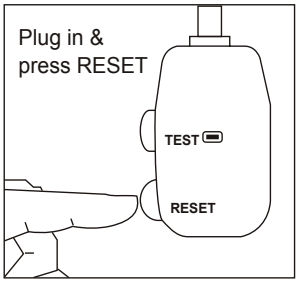
Never do this

- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Do not touch the unit with wet or damp hands or when barefoot.
- Do not press the buttons on the control panel with anything other than your fingers.
- Do not remove any fixed covers. Never use this appliance if it is not working properly or if it has been dropped or damaged.
- Never use the plug to start and stop the unit. (Always use the switch on the control panel to power the unit on and off.)
- Do not cover or obstruct the inlet or outlet grilles.
- Do not use hazardous chemicals to clean or come into contact with the unit. Do not use the unit in the presence of flammable substances or vapor such as alcohol, insecticides, petrol, etc.
- Do not allow children to operate the unit unsupervised.
- Do not use this product for functions other than those described in this instruction manual.

Energy Saving Tips

- Use the unit in the recommended room size.
- Locate the unit where furniture cannot obstruct the air flow.
- Keep blinds/curtains closed during the sunniest part of the day (cooling mode).
- Keep the filters clean.
- Keep doors and windows closed to keep cool air in and warm air out (cooling mode) or keep warm air in and cool air out (heating mode for units with heat function).

Operation of Current Device



NOTE: Some plugs have buttons on the top.

The power supply cord contains a current device that senses damage to the power cord. To test your power supply cord do the following:

1. Plug in the air conditioner.
2. The power supply cord will have TWO buttons on the plug head. Press the TEST button. The RESET button will click as it pops out.
3. Press the RESET button; again you will notice a click as the button engages.
4. The power supply cord is now supplying electricity to the unit. (On some products this is also indicated by a light on the plug head.)

NOTES:
- Do not use this device to turn the unit on or off.
- Always make sure the RESET button is pushed in for correct operation.
- The power supply must be replaced if it fails to reset when either the TEST button is pushed or it cannot be reset.
- If power supply cord is damaged, it cannot be repaired. Please call customer service to assist with replacement.

The air conditioner must be operated within the temperature range indicated below:

MODE	ROOM TEMPERATURE
COOL	62°F (17°C) – 95°F (35°C)
DRY	55°F (13°C) – 95°F (35°C)
HEAT*	≤86°F (30°C)

Note: Performance may be reduced outside of these operating temperatures.

**Applies to units with electric heater only.*

IDENTIFICATION OF PARTS

⚠ WARNING **For your safety**

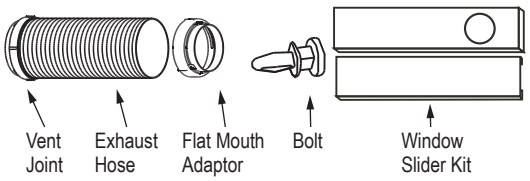
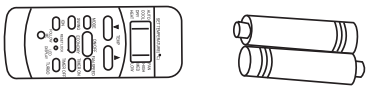
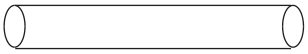
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Avoid fire hazard or electric shock. Do not use an extension cord or an adaptor plug. Do not remove any prong from the power cord.

⚠ WARNING **Electrical Information**

- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.

Accessories

Check that all the accessories are included in the package and refer to the installation instructions for their usage.

PARTS:	PARTS NAME:	QUANTITY:
	• Exhaust hose • Flat mouth adaptor • Window slider kit with bolt • Vent joint	1 Set
	• Foam Seal	1 Piece
	• Remote Control and Battery	1 Set
	• Drain hose	1 Piece

Suggested tools for window kit installation

1. Screwdriver (medium size Phillips)
2. Tape measure or ruler
3. Knife or scissors
4. Saw (In the event that the window kit needs to be cut down in size because the window is too narrow for direct installation)

NOTE:

All of the illustrations in this manual are for explanation purposes only. Your air conditioner may be slightly different.

IDENTIFICATION OF PARTS (CONTINUED)

NAMES OF PARTS

Fig.1

Front

1. Operation Panel
2. Horizontal Louver Blade (swings automatically)
3. Caster
4. Carrying Handle (both sides)

Rear

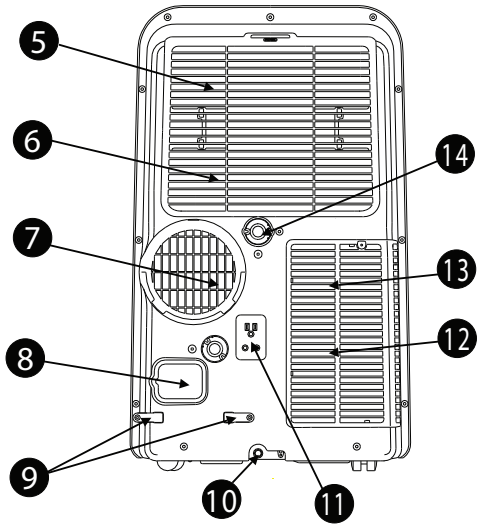


Fig. 2

5. Upper Air Filter (behind the grille)
6. Upper Air Intake
7. Air Outlet
8. Power Cord Outlet
9. Power Cord Buckle (used only when storing the unit)
10. Bottom Tray Drain Outlet
11. Power Plug Socket (used only when storing the unit)
12. Lower Air Filter (behind the grille)
13. Lower Air Intake
14. Drain Outlet

AIR CONDITIONER FEATURES

ELECTRONIC CONTROL OPERATING INSTRUCTIONS

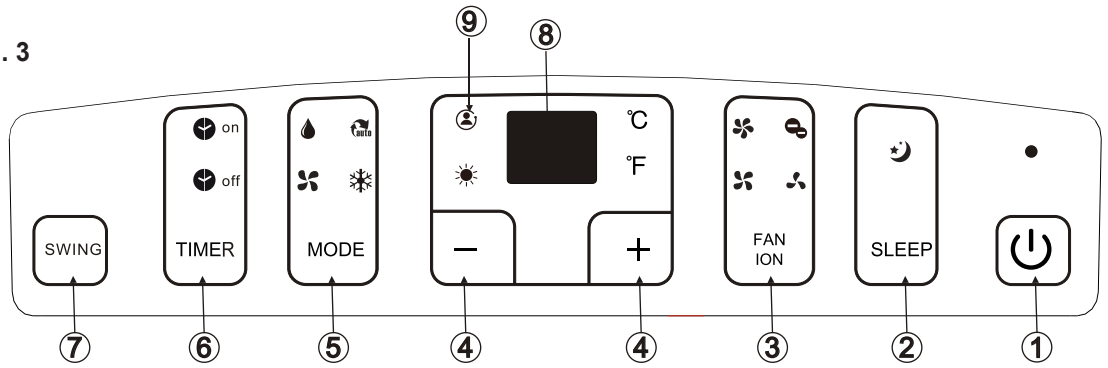
Before you begin, thoroughly familiarize yourself with the control panel and remote control and all its functions, then follow the symbol for the functions you desire.

The unit can be controlled by the unit control panel alone or with the remote control.

NOTE: This manual does not include Remote Control Operations; see the Remote Control Instructions packed with the unit for details.

OPERATION PANEL OF THE AIR CONDITIONER

Fig. 3



① POWER button

Power switch on/off.

② SLEEP button

Used to initiate the SLEEP operation.

③ FAN button

Control the fan speed. Press to select the fan speed in three steps - LOW, MED, HI and AUTO. The fan speed indicator light illuminates under different fan settings except AUTO speed. When AUTO fan speed is selected, all of the fan indicator lights go dark.

④ UP (+) and DOWN (–) buttons

Used to adjust (increase/decrease) temperature settings (2°F/1°C increments) in a range of 62°F (17°C) to 88°F (30°C) or the TIMER setting in a range of 0-24 hrs.

NOTE: The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Up and Down buttons at the same time for 3 seconds.

⑤ MODE select button

Selects the appropriate operating mode. Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, FAN and HEAT. The mode indicator light illuminates under the different mode settings.

⑥ TIMER button

Used to initiate the AUTO ON start time and AUTO OFF stop time program, in conjuction with the (+) and (–) buttons. The timer on/off indicator light illuminates under the timer on/off settings.

⑦ SWING button

When the operation is ON, press the SWING button can stop the louver at the desired angle. The louver swing up to an angle of 6^{O} for each press. Keep pressing the button more than 2 seconds can initiate the auto swing feature.

⑧ LED Display

Shows the set temperature in "^{O}C" or "^{O}F" and the Auto-timer settings. While on DRY and FAN modes, it shows the room temperature. (Details about error codes that may appear on the display can be found on the next page.)

⑨ FOLLOW ME indicator

To activate the FOLLOW ME feature, the indicator light flashes.

OPERATING INSTRUCTIONS

COOL operation

- Press the "MODE" button until the "COOL" indicator light comes on.
- Press the ADJUST buttons “+" or “–” to select your desired room temperature. The temperature can be set within a range of 62^{O}F-88^{O}F/17^{O}C-30^{O}C.
- Press the "FAN" button to choose the fan speed.

HEAT operation

- Press the "MODE" button until the "HEAT" indicator light comes on.
- Press the ADJUST buttons “+" or “–” to select your desired room temperature. The temperature can be set within a range of 62^{O}F-88^{O}F/17^{O}C-30^{O}C.
- Press the "FAN" button to choose the fan speed. For some models, the fan speed can not be adjusted under HEAT mode.
- Remove exhaust hose. (See page 11.)

DRY operation

- Press the "MODE" button until the "DRY" indicator light comes on.
- Under this mode, you cannot select a fan speed speed or adjust the temperature. The fan motor operates at LOW speed.
- Keep windows and doors closed for dehumidifying effect.
- Remove exhaust hose. (See page 11.)

FAN operation

- Press the "MODE" button until the "FAN" indicator light comes on.
- Press the "FAN" button to choose the fan speed. The temperature cannot be adjusted.
- Remove exhaust hose. (See page 11.)

Error and protection codes:

E1- *Room temperature sensor error-* Unplug the unit and plug it back in. If error repeats, call customer service.

E2- *Evaporator temperature sensor error-* Unplug the unit and plug it back in. If error repeats, call customer service.

E4- *Display panel communication error-* Unplug the unit and plug it back in. If error repeats, call customer service.

P1- *Bottom tray is full* - Connect the drain hose and drain the collected water away. If error repeats, call customer service.

AUTO operation

- When you set the air conditioner in AUTO mode, it will automatically select cooling, heating or fan only operation.
- The air conditioner will control room temperature automatically around the temperature point you have set.
- Under AUTO mode, you cannot select the fan speed.

TIMER operation

If setting the timer when the unit is on:

First press the TIMER button; the TIMER OFF indicator light illuminates. It indicates the Auto Stop program is initiated. Press the TIMER button again; the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated.

If setting the timer when the unit is off:

First press the TIMER button; the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated. Press the TIMER button again; the TIMER OFF indicator light illuminates. It indicates the Auto Stop program is initiated.

- Press or hold the UP or DOWN button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will register in 5 seconds and the system will automatically revert back to displaying the previous temperature setting.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop timed program.
- When a malfunction (E1-E2-E3-E4) occurs, the AutoStart/Stop timed program will also be canceled.

FOLLOW ME

This feature can be activated from the remote control ONLY. The remote control serves as a remote thermostat allowing for the precise temperature control at its location.

To activate the FOLLOW ME feature, point the remote control towards the unit and press the FOLLOW ME button. The light on the unit control panel will illuminate to indicate it received the signal. It will continue to send this signal to the air conditioner every 3 minutes until the feature is deactivated by pressing the FOLLOW ME button again. If the unit does not receive the Follow Me signal during any 7 minute interval, the unit will beep to indicate the Follow Me mode has ended. The display on the remote control indicates the temperature at the remote ONLY.

OPERATING INSTRUCTIONS (CONTINUED)

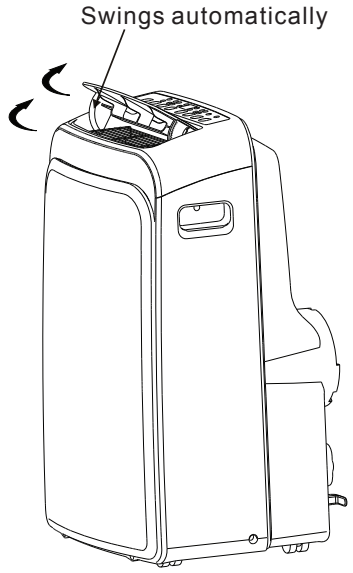


Fig. 4

SLEEP operation

In this mode the selected temperature will increase (cooling) or decrease (heating)by 2°F/1°C 30 minutes after the mode is selected.The temperature will then increase (cooling) or decrease (heating) by another 2°F/1°C after an additional 30 minutes. This new temperature will be maintained for 7 hours before it returns to the originally selected temperature. This ends the Sleep mode and the unit will continue to operate as originally programmed.

NOTE:
This feature is not available under FAN or DRY mode.

OTHER FEATURES

Auto-Restart

If the unit breaks off unexpectedly due to the power being cut, it will restart with the previous function setting automatically when the power is restored.

Wait 3 minutes before resuming operation.
After the unit has stopped, operation cannot be restarted in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

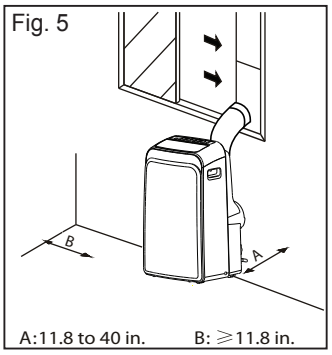
Air flow direction adjustment

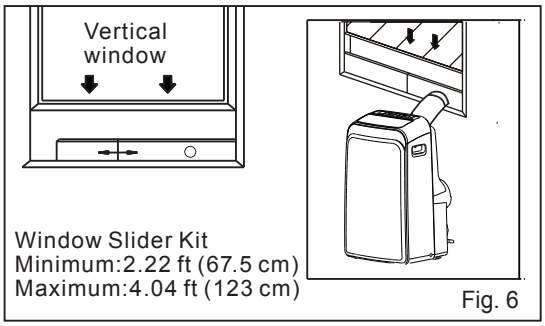
The louvers can be adjusted automatically .

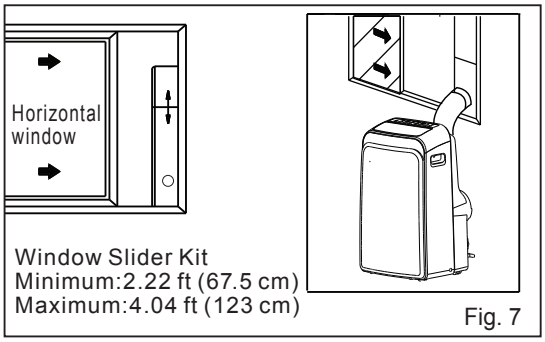
Adjust the air flow direction automatically (Fig. 4):
- When the Power is ON, the louver opens fully.
- Press the SWING button on the panel or remote control to initiate the auto swing feature.
- The louver will swing up and down automatically.

Please do not adjust the louver manually.

INSTALLATION INSTRUCTIONS







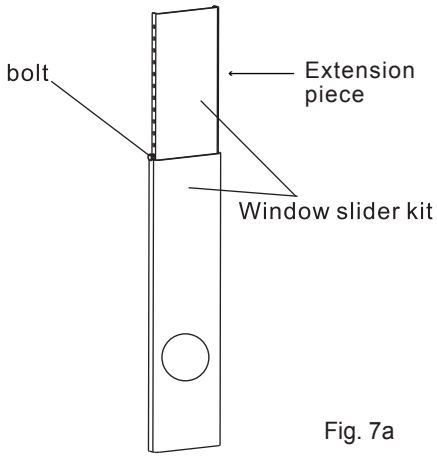


Fig. 7a

Location

- The air conditioner should be placed on a firm foundation to minimize noise and vibration. For safe and secure positioning, place the unit on a smooth, level floor strong enough to support the unit.
- The unit has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpeted surfaces. Do not attempt to roll the unit over objects.
- The unit must be placed within reach of a properly rated grounded socket.
- Never place any obstacles around the air inlet or outlet of the unit.
- Allow 11.8 inches (30 cm) to 40 inches (100 cm) of of space from the wall for efficient air-conditioning.

Window slider kit Installation

Your window slider kit has been designed to fit most standard "vertical" and "horizontal" window applications. However, it may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of window. Please refer to Fig. 6 & Fig. 7 for minimum and maximum window openings. Window slider kit can be fixed with a bolt (see Fig. 7a).

NOTE: If the window opening is less than 2.22 ft, cut the extension piece (see Fig. 7a) shorter so the kit properly fits in the window opening. Only cut if absolutely necessary. Never cut the hole in the window slider kit.

INSTALLATION INSTRUCTIONS (CONTINUED)

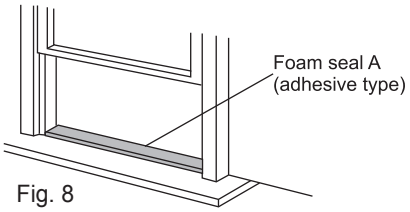


Fig. 8

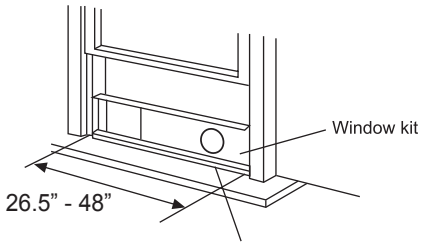


Fig. 9

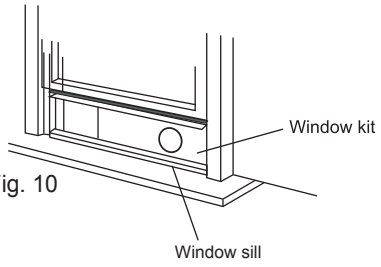


Fig. 10

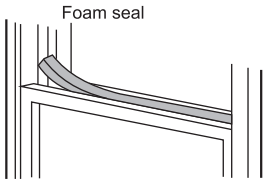


Fig. 11

Installation in a double-hung sash window

1. Cut the foam seal (adhesive type) to the proper length and attach it to the window sill. See Fig. 8.

2. Attach the window slider kit to the window sill. Adjust the length of the window slider kit according to the width of window, shorten the adjustable window kit if the width of window is less than 26.5 inches.

   Open the window sash and place the window slider kit on the window sill. See Fig. 9.

3. Cut the foam seal (adhesive type) to the proper length and attach it on the top of the window. See Fig. 10.

4. Close the window sash securely against the window.

5. Cut the foam seal to an appropriate length and seal the open gap between the top window sash and outer window sash. See Fig. 11.

NOTE: All the illustrations in this manual are for explanation purpose only. Your unit may be slightly different.

INSTALLATION INSTRUCTIONS (CONTINUED)

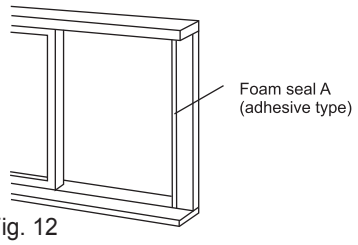


Fig. 12

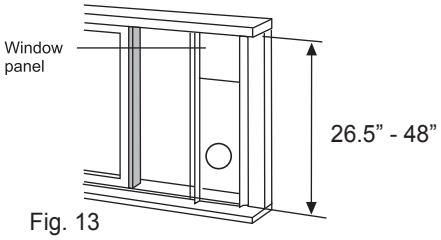


Fig. 13

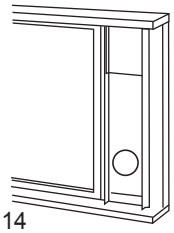


Fig. 14

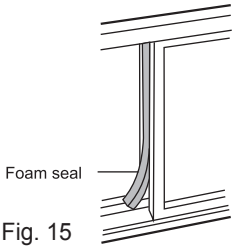


Fig. 15

Installation in a sliding sash window

1. Cut the foam seal (adhesive type) to the proper length and attach it to the window sill. See Fig. 12.

2. Attach the window slider kit to the window sill. Adjust the length of the window slider kit according to the height of window; shorten the adjustable window kit if the height of window is less than 26.5 inches.

   Open the window sash and place the window slider kit on the window sill. See Fig. 13.

3. Cut the foam seal (adhesive type) to the proper length and attach it on the top of the window. See Fig. 14.

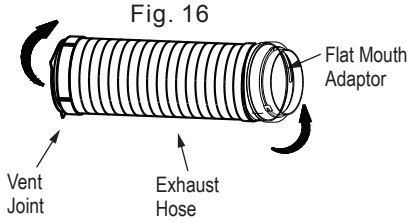
4. Close the window sash securely against the window.

5. Cut the foam seal to an appropriate length and seal the open gap between the top window sash and outer window sash. See Fig. 15.

NOTE: All the illustrations in this manual are for explanation purpose only. Your unit may be slightly different.

INSTALLATION INSTRUCTIONS (CONTINUED)

Fig. 16



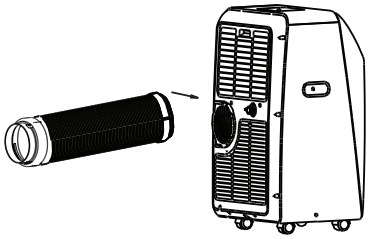


Fig. 17

Exhaust hose installation:

The exhaust hose and adaptor must be installed or removed in accordance with the usage mode as indicated below.

COOL or AUTO mode	Install Hose
FAN, DRY, HEAT* (*for units with electric heater)	Remove Hose

Note: Flat mouth adaptor and vent joint must be threaded counter clockwise onto the exhaust hose. Extend both ends of the exhaust hose 1-2 inches before installing these pieces onto the exhaust hose.

1. Install the vent joint and flat mouth adaptor onto the exhaust hose as shown in Fig. 16. Refer to the previous pages for window kit installation.
2. Slide the exhaust hose into the air outlet opening in the direction depicted by the arrow in Fig. 17.

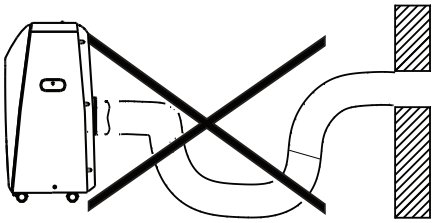


Fig. 18

The duct can be compressed or extended moderately according to the installation requirements, but it is desirable to keep the duct length to a minimum.

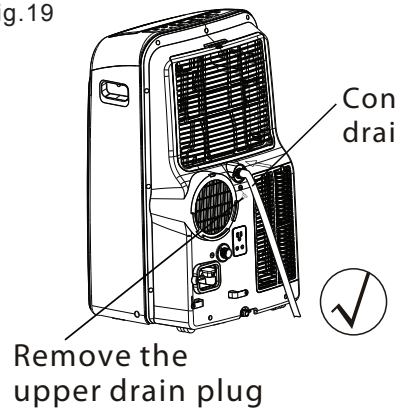
IMPORTANT:
DO NOT OVER BEND THE DUCT. See Fig. 18.

⚠CAUTION:

Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 20 in (500 mm)) in order for the exhaust system to work properly.

INSTALLATION INSTRUCTIONS (CONTINUED)

Fig.19



Water drainage:

- During dehumidifying modes, remove the drain plug from the back of the unit and attach 3/4” vinyl tube included with the unit (5/8” outer diameter). For the models without drain connector, just attach the drain hose to the hole. Place the open end of the hose directly over the drain area in your basement floor. See Fig. 19 & 20.

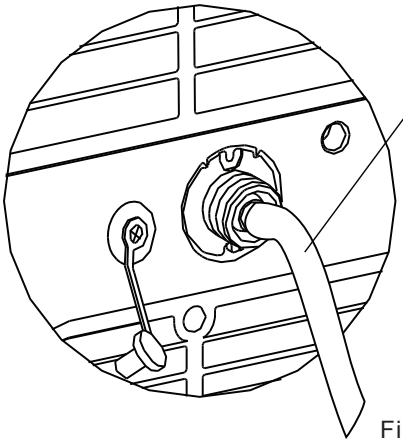


Fig.20

- When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times and the digital display area shows "P1". At this time the air conditioning/dehumidification process will immediately stop. However, the fan motor will continue to operate (this is normal).
  Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain away (Fig. 21). Restart the machine until the "P1" symbol disappears. If the P1 symbol will not clear after following the above instructions and waiting a few minutes after restarting the machine, call customer service.

NOTE: Be sure to reinstall the bottom drain plug before using the unit.

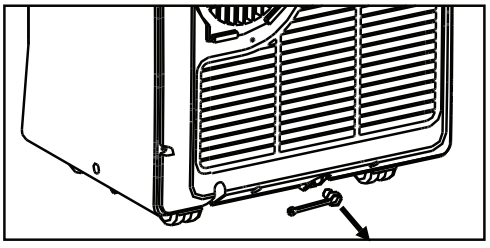


Fig.21

CARE AND MAINTENANCE

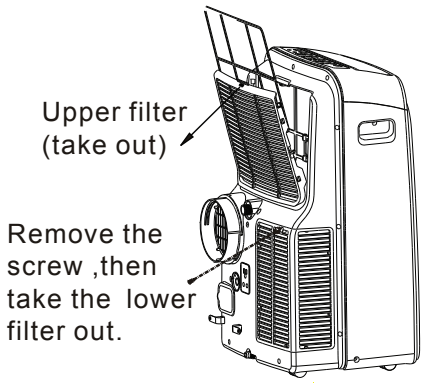


Fig. 22

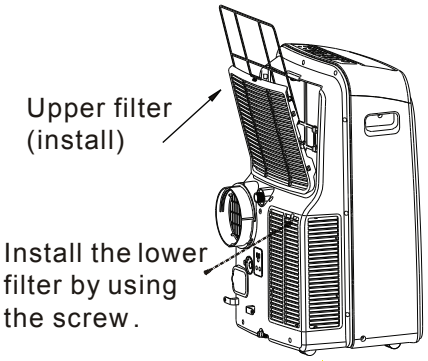


Fig. 23

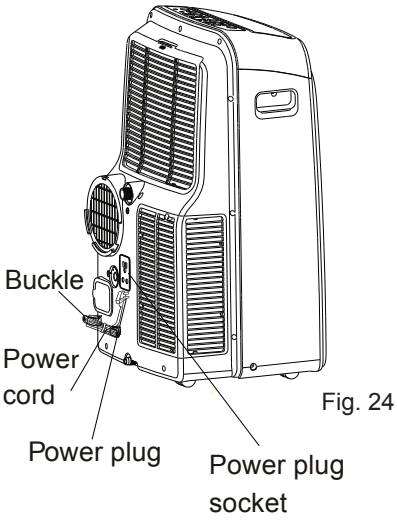


Fig. 24

IMPORTANT:

1) Be sure to unplug the unit before cleaning or servicing.
2) Do not use gasoline, thinner or other chemicals to clean the unit.
3) Do not wash the unit directly under a tap or using a hose. It may cause electrical danger.
4) If the power cord is damaged, it should be repaired by an authorized repairman.

1. Air filter

- Clean the air filter at least once every two weeks to prevent inferior fan operation because of dust.

- Removal
  This unit has two filters. Take the upper filter out along the arrow direction as shown in Fig. 22. Remove the lower filter by loosening the screw and taking out the filter as shown in Fig. 22.

- Cleaning
  Wash the air filter by immersing it gently in warm water (about 104^{O}F/40^{O}C) with a mild detergent. Rinse the filter and dry it in a cool, dry place.

- Mounting
  Install the upper and lower air filters after cleaning as shown in Fig. 23. Be sure to use the screw for the lower filter.

NOTE: The upper grille and upper air filter are connected and can be separated. The same is true for the lower grille and lower air filter.

2. Unit enclosure

- Use a lint-free cloth soaked with mild detergent to clean the unit enclosure. Finish by using a dry, clean cloth.

3. Unit idle for a long time

- Remove the rubber plug at the back of the unit and attach a hose to drain outlet. Place the open end of the hose directly over the drain area in your basement floor or over a shallow pan (if no floor drain is available.) (See Fig. 19 & 20.)
- Remove the plug from the bottom drain outlet; all of the water in the bottom tray will drain out (See Fig. 21.)
- Keep the appliance running on FAN mode for half a day in a warm room to dry the appliance inside and prevent mold from forming.
- Stop the appliance and unplug it. Wrap the cord and bundle it with the band. (See Fig. 24.) Remove the batteries from the remote control.
- Clean the air filter and reinstall it.
- Disconnect the exhaust hose. Keep it safe and cover the window (wall) hole with the adaptor cap or remove slider kit from the window (wall) completely.

TROUBLESHOOTING TIPS

Before calling for service, please review the chart below.

Issue	Possible Solutions
AIR CONDITIONER NOT COOLING ROOM, OR NOT BLOWING COLD AIR	• Be sure unit is not too large or too small for the area of the room. • Verify that all doors, windows, curtains and any other openings are closed off. Verify nothing is obstructing the airflow to/from the unit and louvers such as curtains, etc. • Allow enough time for room to cool, especially if outside temp is very high. • Check that the filter is not dirty and louvers are open all the way and blowing in the direction desired. • Check that unit is set to Cool Mode and that temperature is down enough (but not too low). • If unit is near a heat source, such as a stove, etc., then relocate unit. • If air coming from unit is cool to the touch, then unit is working properly; please double check the first three bullet points above. • If using Follow Me remote feature, move remote away from unit. • Unplug unit for at least 5 minutes. Follow Reset instructions on plug.
AIR CONDITIONER COOLING BUT ROOM IS TOO WARM - ICE FORMING ON COOLING COIL BEHIND DECORATIVE FRONT	• Outdoor temperature is below 64ºF (18ºC). To defrost the coil, set to Fan Only mode. • Air filter may be dirty. Clean filter. Refer to Care and Maintenance section. To defrost, set to Fan Only mode. • Thermostat is set too cold for night-time cooling. To defrost the coil, set to Fan Only mode. Then, set temperature to a higher setting.
AIR CONDITIONER CYCLING ON AND OFF TOO FREQUENTLY OR NOT ENOUGH	• Be sure unit is not too large or too small for the area of the room. • Make sure nothing is blocking the louvers. • Make sure there is no dirt or debris inside the unit or on the filters.
UNIT WILL NOT TURN ON	• Reset circuit breaker. Make sure there are not too many items (ie lamps, TV's, etc.) working off the same breaker. • Check plug connection. • If plug is operating on an on/off switch, be sure that the switch is 'on'. • Try plugging unit into another outlet. • Unplug unit for at least 5 minutes. Follow Reset instructions on plug.
UNIT BLOWS FUSES OR POPS CIRCUIT BREAKER	• Make sure there are enough available amps on the circuit for the air conditioner. • Large units which run on a 230v will require a dedicated 20 or 30 amp circuit.
AIR CONDITIONER IS MAKING NOISES	• Check to be sure the unit is free from debris. Verify nothing is obstructing the unit. • Check the fan blade for cracks or chips. • Make sure the window slider kit is properly and securely mounted inside the window. • Clean the air filter.
REMOTE SENSING / FOLLOW ME DEACTIVATING PREMATURELY	• Remote control not located within range. Place remote control within 20 ft and 180º radius of the front of the unit. • Remote control signal obstructed. Remove obstruction.

NOTE: A highly recommended troubleshoot for any issue in general consists of turning off unit and unplugging for 5 minutes. It is also recommended to try another wall outlet.

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